PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chanter II of the Potent Communication of the Potent Communica

(Chapter II of the Patent Cooperation Treaty) (PCT Artcle 36 and Rule 70)

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Applicant's or agent's file refe 5FPO-01-03	FOR FURTHER A	ACTION	See Form PCT/IPEA/4	16		
International application No.	1	nte(day/month/year)	Priority date (day/month/)	vear)		
PCT/KR2005/000	283 31 JANUARY 2	005 (31.01.2005)	31 JANUARY 2004 (31.	01.2004)		
International Patent Classifica	ation (IPC) or national classificati	on and IPC .	•			
13/12(2006.01)i	. A61K 36/72(2006.01)i, A6	61P 39/06(2006.01)i,	A61P 1/16(2006.01)i, A	161P		
Applicant						
KIM, Kiyoung		Marie .				
-	national preliminary examination as 35 and transmitted to the application	-		amining		
2. This REPORT consists	s of a total of4 she	eets, including this cover	sheet.			
a. (sent to the ap	ompanied by ANNEXES, compri- oplicant and to the International B of the description, claims and/or	ureau) a total of	sheets, as follows:	for this ranget		
and/or	or the description, claims and/or sheets containing rectifications and strative Instructions).					
	which supersede earlier sheets, bu					
\ -	d the disclosure in the international the disclosure in the international threat the disclosure in the	al application as med, as	indicated in item 4 of Box No	. I and the		
containing a s	nternational Bureau only) a total of sequence listing and/or tables related to Sequence Listing (see Section 8	ted thereto, in electronic	form only, as indicated in the	Supplemental,		
4. This report contains inc	dications relating to the following	titems:				
K71	Basis of the report					
Box No. II F	Priority		•			
Box No. III	Non-establishment of opinion with	h regard to novelty, inver	tive step and industrial applic	ability		
Box No. IV	Lack of unity of invention					
Box No. V						
Box No. VI	Certain documents cited					
Box No. VII	Certain defects in the international	l application				
Box No. VIII	Certain observations on the interna	ational application				
Date of submission of the der		Date of completion	of this report			
Date of sanitission of the der	namo	Date of completion	or tills report			
18 AUGUST	2005 (18.08.2005)	20 APRIL	2006 (20.04.2006)			
Name and mailing address of	f the IPEA/KR	Authorized officer				
Korean Intellect 920 Dunsan-don Republic of Kor	ual Property Office g, Seo-gu, Daejeon 302-701, ea	YEO, Ho Sup	•			
Facsimile No. 82-42-472-7140		Telephone No. 82-	-42-481-5627			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/KR2005/000283

Box	x No. I	. I Basis of the report	
1.		th regard to the language, this report is based on the international application in the language indicated under this item. This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	to the annexed	th regard to the elements of the international application, this report is based on (replaced to receiving Office in response to an invitation under Article 14 are referred to in this received to this report): the international application as originally filed/furnished	
		the description: pages 2-7, 15-16, 20, 22-23, 26, 29, 31 pages* 1, 8-14, 17-19, 21, 24-25, 27-28, 30, 32-42 pages* received by this Authority on 12 pages* received by this Authority on 21	as originally filed/furnished 4/04/2006
	I I	the claims: pages pages* as amended (together pages* pages* pages* received by this Authority on pages*	as originally filed/furnished with any statment) under Article 19 4/04/2006
	I I	the drawings: pages	as originally filed/furnished
3.		the sequence listing and/or any related table(s) - see Supplemental Box Relating to Seq The amendments have resulted in the cancellation of: the description, pages the claims, Nos. 1, 5, 9 the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):	
4.		This report has been established as if (some of) the amendments annexed to this report made, since they have been considered to go beyond the disclosure as filed, as indicate (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):	ed in the Supplemental Box
*	If item	m 4 applies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2005/000283

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

. Statement				
Novelty (N)	Claims	2-4, 6-8, 10-16		YES
	Claims			NO
Inventive step (IS)	Claims	2-4, 6-8, 10-16		YES
	Claims		•	NO
Industrial applicability (IA)	Claims	2-4, 6-8, 10-16		YES
	Claims			NO

2. Citations and explanations (Rule 70.7)

The present invention relates to a composition not only for anti-oxidation and anti-fibrosis but also for the improvement of liver and kidney functions, comprising a water extract of *Lindera obtusiloba*, *Hovenia dulcis* or herbal mixture thereof as an active ingredient.

The following documents have been considered for the purpose of this report:

D1 = KR 2002-0076980 A (11.10.2002)

D2 = WO 03/059369 A1 (24.07.2003)

D1 states that the water extract of Hovenia dulcis has an anti-oxidative activity.

D2 states that the lower alcohol-insoluble extract of *Hovenia dulcis* has a hepatoprotective activity and is useful for preventing or treating the liver disease such as hepatitis or liver cirrhosis.

Claims 2; 6, 10 and 14 relate to a composition not only for anti-oxidation and anti-fibrosis but also for the improvement of liver and kidney functions, comprising a water extract of *Lindera obtusiloba* as an active ingredient.

Claim 13 relates to a composition for improving kidney function, comprising a water extract of *Hovenia dulcis* as an active ingredient.

(Continued on Supplemental Sheet.)

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box V.

Claims 2, 6, 10, 13 and 14 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the claimed composition having the above-mentioned pharmacological effects.

On the other hand, claims 3, 4, 7, 8, 11, 12, 15 and 16 relate to a composition not only for anti-oxidation and anti-fibrosis but also for the improvement of liver and kidney functions, comprising a water extract of mixture of *Lindera obtusiloba* and *Hovenia dulcis* as an active ingredient.

Even though the cited documents D1 and D2 are relevant to the present invention, they do not refer to an extract of *Lindera obtusiloba*.

Moreover, the applicant has supplied data showing that an extract of mixture of *Lindera* obtusiloba and *Hovenia dulcis* has an improved pharmacological effect, compared with an extract of *Hovenia dulcis*.

As a consequence, claims 2-4, 6-8 and 10-16 meet the criteria set out in PCT Article 33(2)-(4).